

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

Appellant: Jin-Kwan Kim, *et al.*

Examiner: Wassum, Luke S.

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(OPP000421US)

Title: **SYSTEM AND METHOD FOR ANALYZING AND UTILIZING
INTELLECTUAL PROPERTY INFORMATION**

Commissioner of Patents
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Alexandria, VA 22313-1450

RESPONSE TO NOTIFICATION OF NON-COMPLIANT APPEAL BRIEF

In response to the Notification Of Non-Compliant Appeal Brief dated September 22, 2009, Applicant has attached a corrected Summary of Claimed Subject Matter with references to page numbers and line numbers of Applicant's specification as filed.

5. SUMMARY OF CLAIMED SUBJECT MATTER

The embodiments of the present invention provide a system and method for analyzing and utilizing intellectual property information, in which an on-line information DB is accessed at predetermined periods using keywords such that intellectual property information is provided to a research center or interested persons, and intellectual property analysis data are accumulated. This enables easy management and analysis of intellectual property information, and makes it easy to utilize the analyzed intellectual property information.

An exemplary system for analyzing and utilizing intellectual property information according to an embodiment of the invention is shown in FIG. 1. As shown in FIG. 1, the system includes on-line information databases (DBs) 100, an IP information extraction unit 200, an IP information analyzing unit 300, an E-mail receiving/transmitting unit 400, a research center analyzing unit 500, and a patent team analyzing unit 600. The on-line information DBs 100 include various IP information disseminated on the Internet and in networks, and are pre-stored material when a client accesses a DB via the Internet and requests particular information. Embodiments of the invention can be implemented in various forms of hardware, software, firmware, special purpose processes, or a combination thereof. For example, the research center analyzing unit 500 includes a plurality of project duty PCs and a plurality of research center PCs, and other units shown in FIG. 1 are similarly implemented.

Independent claims 1, 4, and 11 are representative of the claimed subject matter that embodies features of the invention. For illustrative purposes, the claimed subject matter will be described with reference to exemplary embodiments described in Applicant's specification, and accompanying figures, although nothing herein should be construed as unduly limiting the scope of the claimed subject matter. For each claim listed below, the claim elements are presented in italicized text, and are followed by a citation to exemplary figures and/or supporting text paragraph number in Applicant's specification.

1. *A method for analyzing and utilizing intellectual property (IP) information, comprising steps of:*

(a) registering search strategy formulas for extracting IP information into a IP information extraction unit;

(FIGS. 1 and 2, page 12, line 23 – page 13, line 7, “the IP information analyzing unit 300 first registers a plurality of desired themes at predetermined periods in the IP information extraction unit 200, then generates and registers a plurality of search strategy formulas for extracting IP information with respect to the registered themes.”)

(b) accessing and searching Internet websites that provide IP information based on the registered search strategy formulas, and extracting first IP information according to the search;

(page 13, lines 8-11, “IP information extraction unit 200 accesses Internet sites that provide various IP information, and based on the registered search strategy formulas, extracts front pages, converts the front pages into a standard form, and provides this information to the IP information analyzing unit 300.”)

(c) converting the first IP information to a standard form and storing the first IP information, and transmitting the first IP information converted in the standard form to a research center analyzing unit;

(page 13, lines 15-17, “IP information analyzing unit 300 receives and stores the data placed in a standard form from the IP information extraction unit 200, and performs automatic mailing to the research center analyzing unit 500”.)

(d) discarding the first IP information upon a determination by the research center analyzing unit that the first IP information is not related to at least one project accessible by the research center analyzing unit;

(page 13, line 20 – page 14, line 1, “The research center analyzing unit 500 analyzes technology of IP information provided from the IP information analyzing unit 300, and . . . [i]f it is then determined, based on the registered rank, that the information is not related to the project, the corresponding IP information is discarded.”)

(e) if the first IP information is determined to include IP information that is related to the least one project, accessing the Internet websites and extracting second IP

information corresponding to the first IP information upon a request for detailed information; and

(page 14, lines 1-10, “However, if it is determined that the information is related to the project, detailed information with respect to the corresponding IP information is requested from the IP information analyzing unit 300. . . the IP information analyzing unit 300 makes a request to the IP information extraction unit 200 for detailed information containing images and text, . . . The IP information extraction unit 200, . . . accesses DBs of suitable sites, downloads and provides the information to the IP information analyzing unit 300.”)

(f) converting the second IP information to the standard form and storing and transmitting the second IP information converted in the standard form to the research center analyzing unit,

(page 14, lines 11-13, “The IP information analyzing unit 300 stores the specialized data of the corresponding IP information, and automatically mails them in a standardized format to the research center analyzing unit 500.”)

wherein the step (c) includes steps of:

determining if third IP information has been received from the research center analyzing unit, the third IP information including technical analyses and opinion contents; and

storing the third IP information upon receiving the third IP information, and

(page 14, lines 13-20, “The research center analyzing unit 500 analyzes the specialized data and prepares opinion. If it is determined after registering the rank . . . that the IP information is related to the project, the prepared opinion is sent back to the IP information analyzing unit 300. At this time, the IP information analyzing unit 300 registers opinion contents based on the research center opinion supplied from the research center analyzing unit 500 or on IP information that is not related to the research center opinion contents.”)

wherein the IP information extraction unit stores a plurality of predetermined keywords.

(page 10, lines 6-7, “the management module 360 includes a register unit . . . that stores keywords input by the user.”)

4. *A computer-based system for analyzing and utilizing intellectual property (IP) information, comprising:*

an IP information extraction computer unit, which is coupled to an IP information analyzing computer unit, for extracting IP information according to operation of software from at least one on-line IP information database (DB) found on the Internet or on a network and providing the extracted IP information to the IP information analyzing computer unit,

(page 8, lines 7-11, “On-line IP information DBs disseminated on the Internet or in networks are accessed in real-time or during predetermined periods, and IP information is extracted according to the operation of software that is programmed to perform specific functions. The extracted IP information is then provided to the IP information analyzing unit 300.”)

wherein the IP information analyzing computer unit controls the operation of the software, receives the extracted IP information and stores the same together with data containing opinion contents of the extracted IP information from a research center analyzing computer unit, and outputs the extracted IP information;

(page 9, lines 11-14, “The IP information analyzing unit 300 controls the operation of software for extracting IP information disseminated on the Internet, receives extracted IP information and stores data containing predetermined opinion contents together with the IP information, and outputs the IP information.”)

an E-mail receiving/transmitting computer unit for transmitting the extracted IP information outputted from the IP information analyzing computer unit to the research center analyzing computer unit, and receiving feedback of the data containing the opinion contents from the research center analyzing computer unit,

(page 10, line 22 – page 11, line 3, “The E-mail receiving/transmitting unit 400 transmits IP information from the IP information analyzing unit 300 to PCs included in the research center analyzing unit 500, which is linked to IP information. The E-mail receiving/transmitting unit 400 then receives data containing opinion contents from the PCs and supplies the same to the IP information analyzing unit 300.”)

wherein the research center analyzing computer unit is coupled to the IP information extraction computer unit

(FIG. 1, page 7, lines 7-11, "the system for analyzing and utilizing intellectual property (IP) information . . . includes on-line information databases (DBs) 100, an IP information extraction unit 200, an IP information analyzing unit 300, an E-mail receiving/transmitting unit 400, a research center analyzing unit 500, and a patent team analyzing unit 600.")

and wherein the research center analyzing computer unit determines whether the extracted IP information includes IP information that is related to at least one project accessible by the research center analyzing computer unit, and discarding the IP information upon a determination that the IP information is not related to the at least one project accessible by the research center analyzing computer unit, and if the extracted IP information is determined to include IP information that is related to the at least one project, requesting detailed information corresponding to the IP information that is related to the at least one project from the IP information extraction computer unit,

(page 11, lines 5-11, "If the research center analyzing unit 500 analyzes and classifies IP information supplied from the IP information analyzing unit 300 via the E-mail receiving/transmitting unit 400 and determines that the IP information is not related to the project, the information is deleted. However, if it is determined that the information is related to the project, the research center analyzing unit 500 makes detailed information requests with respect to the corresponding information to the E-mail receiving/transmitting unit 400.")

wherein the IP information extraction computer unit comprises:

a front page extraction computer unit for requesting front pages of IP information according to a universal resource locator (URL) for accessing the on-line IP information DB, and pre-registered access information including an access period, technical classifications, and a search format, and receiving and outputting the front pages, and

(page 8, lines 15-18, "the front page extraction unit 210--based on registered themes (or technical classification), search strategy formulas and E-mail addresses, etc., provided from the IP information analyzing unit 300--accesses the on-line IP information DBs 100 and extracts front pages. The front page extraction unit 210 then supplies the

extracted front pages to the data converter 220. The data converter 220 converts data of the front pages supplied from the front page extraction unit 210, then provides the converted data to the IP information analyzing unit 300.”)

wherein the IP information extraction computer unit stores a plurality of predetermined keywords.

(page 10, lines 6-7, “the management module 360 includes a register unit . . . that stores keywords input by the user.”)

11. *A computer-based system for analyzing and utilizing intellectual property (IP) information, comprising:*

an IP information extraction computer unit, which is coupled to an IP information analyzing computer unit, for extracting IP information according to operation of software from at least one on-line IP information database (DB) found on the Internet or on a network and providing the extracted IP information to the IP information analyzing computer unit,

(page 8, lines 7-11, “On-line IP information DBs disseminated on the Internet or in networks are accessed in real-time or during predetermined periods, and IP information is extracted according to the operation of software that is programmed to perform specific functions. The extracted IP information is then provided to the IP information analyzing unit 300.”)

wherein the IP information analyzing computer unit controls the operation of the software, provides technical classifications and search strategy formulas to the IP information extraction computer unit, receives the extracted IP information and stores the same together with data containing opinion contents of the extracted IP information from a research center analyzing computer unit, and outputs the extracted IP information;

(page 9, lines 11-14, “The IP information analyzing unit 300 controls the operation of software for extracting IP information disseminated on the Internet, receives extracted IP information and stores data containing predetermined opinion contents together with the IP information, and outputs the IP information.”)

an E-mail receiving/transmitting computer unit for transmitting the extracted IP information outputted from the IP information analyzing computer unit to the research center analyzing computer unit, and receiving feedback of the data containing the opinion contents from the research center analyzing computer unit,

(page 10, line 22 – page 11, line 3, “The E-mail receiving/transmitting unit 400 transmits IP information from the IP information analyzing unit 300 to PCs included in the research center analyzing unit 500, which is linked to IP information. The E-mail receiving/transmitting unit 400 then receives data containing opinion contents from the PCs and supplies the same to the IP information analyzing unit 300.”)

wherein the research center analyzing computer unit is coupled to the IP information extraction computer unit

(FIG. 1, page 7, lines 7-11, “the system for analyzing and utilizing intellectual property (IP) information . . . includes on-line information databases (DBs) 100, an IP information extraction unit 200, an IP information analyzing unit 300, an E-mail receiving/transmitting unit 400, a research center analyzing unit 500, and a patent team analyzing unit 600.”)

and wherein the research center analyzing computer unit determines whether the extracted IP information includes IP information that is related to at least one project accessible by the research center analyzing computer unit, and if the extracted IP information is determined to include IP information that is related to the at least one project, requesting detailed information corresponding to the IP information that is related to the at least one project from the IP information extraction computer unit, and discarding the IP information upon a determination that the IP information is not related to the at least one project accessible by the research center analyzing computer unit,

(page 11, lines 5-11, “If the research center analyzing unit 500 analyzes and classifies IP information supplied from the IP information analyzing unit 300 via the E-mail receiving/transmitting unit 400 and determines that the IP information is not related to the project, the information is deleted. However, if it is determined that the information is related to the project, the research center analyzing unit 500 makes detailed information requests with respect to the corresponding information to the E-mail receiving/transmitting unit 400.”)

and

wherein the IP information extraction computer unit stores a plurality of predetermined keywords.

(page 10, lines 6-7, "the management module 360 includes a register unit . . . that stores keywords input by the user.")

Respectfully submitted,

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